	IDO1		Oct--4		O4		O1		A2B5		MAP2		Nestin	
	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
hMSC Control non differentiated	51.0	12.6	66.3	16.6	16,330.6	10,120.6	145.4	33.4			43.8	20.4		
hMSC 0/0	320.8	198.4	153.6	94.4	903.7	427.8	598.6	179.3	3,905.5	1,810.8	80.4	11.8		
hMSC IFN-γ/0	8,085.8	2,354.5	265.5	153.3	885.9	304.2	4,448.5	2,360.6	10,251.6	2,689.6	693.4	93.0		
hMSC IFN-γ/NH	2,543.5	490.7	331.0	90.2	9,655.3	3,861.0	1,120.0	506.4	21,589.5	7,554.5	157.4	20.1		
hMSC IFN-γ/DMT	9,594.4	1,407.5	175.6	22.0	1,350.6	367.1	2,869.0	1,696.6	13,984.9	4,117.5	390.0	91.7		
hMSC IFN-γ/LMT	17,782.8	7,611.9	909.5	125.6	1,962.2	707.8	1,989.9	672.3	35,566.5	9,198.6	608.1	248.7		
mMSC 0/0	175.1	49.7	5,153.7	5,066.7	37,206.6	13,897.4	17,724.1	9,786.5			331.4	81.8	2,480.6	787.1
mMSC IFN-γ/0	1,593.1	708.3	6,270.8	4,561.0	109,469.9	33,122.1	19,272.3	4,080.7			11,631.2	2,291.4	3,861.3	644.0
mMSC IFN-γ/NH	1,224.0	310.1	15,945.6	7,233.1	20,403.9	3,034.9	13,611.0	2,722.4			9,422.5	2,935.2	19,388.4	12,639.2
mMSC IFN-γ/DMT	1,064.7	179.6	6,452.9	4,375.9	9,006.5	1,047.9	25,269.9	8,014.5			3,290.9	595.0	9,643.6	6,333.4
mMSC IFN-γ /LMT	2,388.4	1,462.9	17,601.6	7,904.5	80,432.3	17,880.0	45,402.6	3,775.5			11,741.2	2,983.3	7,371.5	1,001.7

Table S4: Quantitative analysis of IDO1 and neural marker expression by differentiated mouse and human MSCs as revealed by immunostaining. Cells were cultured in the neural differentiation media together with 100 IU/ml IFN-γ and/or IDO inhibitors norharmane (15 μM), D-1-methyl-tryptophan (100 μM) and L-1-methyl-tryptophan (100 μM). Data are mean ± standard error (SEM). Images were taken under identical exposure conditions. The density of immunostaining normalised to the number of nuclei are represented as means ± SEM of at least three independent experiments. Abbreviations: IDO1, indoleamine 2,3-dioxygenase 1; IFN-γ, interferon-γ; MAP2, microtubule-associated protein 2; D-1MT, D-1-methyl-tryptophan; L-1MT, L-1-methyl-tryptophan.